



PATENT  
ATTORNEY DOCKET NO. 046124-5380

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Hironori TAKAHASHI et al. )  
Application No.: 10/533,453 )  
Filed: 05/02/05 )

Title: DEUTERON GENERATING TARGET  
AND DEUTERON GENERATING TARGET  
APPARATUS INCLUDING THE SAME

Commissioner for Patents  
U.S. Patent and Trademark Office  
Alexandria, VA 22314

Sir:

**SUBMISSION OF REVOCATION OF ORIGINAL POWER OF ATTORNEY  
AND GRANT OF NEW POWER OF ATTORNEY**

Enclosed is a copy of the Revocation of Original Power of Attorney and Grant of New Power of Attorney by the Assignee.

If there is any fee due in connection with the filing of this paper, please charge the fee to our Deposit Account No. 50-0573.

Respectfully submitted,

**DRINKER, BIDDLE & REATH LLP**

Dated: March 14, 2006

By:

Peter J. Sistare

Registration No. 48,183

**CUSTOMER NO. 55694**  
**DRINKER, BIDDLE & REATH LLP**  
1500 K Street, N.W., Suite 1100  
Washington, D.C. 20005-1209  
Tel: (202) 842-8800  
Fax: (202) 842-8465



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: **HAMAMATSU PHOTONICS K.K.**

Commissioner for Patents  
Washington, D.C. 20231

**REVOCATION AND NEW POWER OF ATTORNEY**

Under 37 CFR §3.73(b), **HAMAMATSU PHOTONICS K.K.**, a Japanese corporation, certifies that it is an assignee of the patent applications and issued patents identified in the following chart by virtue of respective Assignment documents for each listed application and patent from the inventor(s) to **HAMAMATSU PHOTONICS K.K.** submitted to the U.S. Patent and Trademark Office. Assignment recordation and reel/frame number information are also provided.

Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
06/22/00	046124-5029	09/598,990	6,531,821	03/11/03	06/22/00; 010896/0411
07/28/00	046124-5036	09/628,446	6,392,282	05/21/02	07/28/00; 010988/0907
06/15/01	046124-5077	09/880,940	6,483,269	06/15/01	06/15/01; 011905/0325
04/02/04	046124-5096-02	10/816,181	6,943,957	09/13/05	08/23/04; 015718/0936
05/09/02	046124-5131	10/141,415	6,639,727	11/28/03	05/09/02; 012895/0018
06/11/03	046124-5223	10/450,110			06/11/03; 014527/0253
09/12/05	046124-5223-01	11/222,934			06/11/03; 014527/0253
07/21/04	046124-5226	10/466,336			07/21/04; 016901/0146
11/24/03	046124-5254	10/719,062			05/11/04; 015318/0481
06/15/04	046124-5256	10/479,341			06/15/04; 015526/0745
11/10/04	046124-5258	10/984,748			11/10/04; 015990/0717
07/26/04	046124-5262	10/482,779			07/26/04; 016091/0128
02/25/04	046124-5274	10/785,411			10/27/04; 015927/0048
02/25/04	046124-5275	10/785,412			10/27/04; 015927/0242
02/26/04	046124-5276	10/786,366			02/26/04; 015028/0160
02/27/04	046124-5279	10/787,539			12/02/04; 016036/0205

Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
03/19/04	046124-5282	10/804,194			
03/26/04	046124-5285	10/491,110			10/07/04; 016234/0038
10/13/04	046124-5291	10/492,818			10/13/04; 016022/0991
04/27/04	046124-5293	10/493,845			10/21/04; 016023/0915
05/28/04	046124-5294	10/497,087			05/28/04; 015834/0917
06/18/04	046124-5297	10/499,209			06/18/04; 016022/0868
05/18/04	046124-5299	10/495,876			05/18/04; 015872/0067
06/25/04	046124-5302	10/500,239			06/25/04; 016130/0392
04/15/05	046124-5303	10/500,238			04/20/05; 016550/0504
06/28/04	046124-5305	10/876,776			11/29/04; 016013/0406
07/16/04	046124-5309	10/892,475			10/28/04; 015940/0890
04/21/05	046124-5311	10/504,267			
04/06/05	046124-5313	10/504,979			04/06/05; 016483/0794
09/03/04	046124-5314	10/506,508			09/03/04; 016542/0085
09/08/04	046124-5316	10/507,011			09/08/04; 016183/0012
06/28/05	046124-5317	10/507,321			06/28/05; 017028/0008
09/10/04	046124-5318	10/507,392			04/08/05; 016583/0722
09/17/04	046124-5320	10/508,126			09/17/04; 016344/0289
09/21/04	046124-5322	10/508,793			05/03/05; 016584/0370
10/20/04	046124-5326	10/968,261			10/20/04; 015915/0893
08/16/05	046124-5327	10/510,213			
06/27/05	046124-5328	10/510,212			
10/14/04	046124-5329	10/511,086			10/14/04; 016372/0287
10/19/04	046124-5331	10/967,301			10/19/04; 015912/0346
10/25/04	046124-5332	10/512,433			
12/16/04	046124-5333	10/518,234			12/16/04; 016774/0047
10/21/04	046124-5334	10/969,319			
11/05/04	046124-5335	10/513,610			11/05/04; 016443/0001
11/10/04	046124-5337	10/514,011			11/10/04; 016697/0317
11/10/04	046124-5338	10/514,013			11/10/04; 016414/0330
11/19/04	046124-5340	10/992,218			
11/19/04	046124-5341	10/515,112			

Assignee : HAMAMATSU PHOTONICS, K.K.

Page : 3

Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
11/24/04	046124-5342	10/515,548			11/24/04; 016413/0800
02/23/05	046124-5343	29/223,909			
11/29/04	046124-5344	10/516,076			11/29/04; 016413/0665
07/25/05	046124-5345	10/518,392			
12/22/04	046124-5347	11/018,573			
01/07/05	046124-5350	11/030,319			04/27/05; 016498/0007
10/26/05	046124-5351	10/522,180			
01/26/05	046124-5352	11/042,345			05/03/05; 016515/0331
09/12/05	046124-5354	10/522,812			
02/08/05	046124-5356	11/052,470			04/27/05; 016507/0778
02/22/05	046124-5358	10/525,196			02/22/05; 016897/0845
02/22/05	046124-5359	10/525,248			02/22/05; 016805/0357
02/25/05	046124-5360	10/525,670			
09/16/05	046124-5362	10/525,654			
02/25/05	046124-5363	11/066,318			05/03/05; 016515/0352
06/10/05	046124-5364	10/538,642			
06/06/05	046124-5365	10/537,587			
03/11/05	046124-5366	10/527,448			
03/24/05	046124-5368	10/529,060			
03/18/05	046124-5370	10/528,232			03/18/05; 016955/0225
04/01/05	046124-5375	10/530,048			
03/31/05	046124-5376	10/529,653			
04/08/05	046124-5377	10/530,754			
04/08/05	046124-5378	10/530,756			
05/02/05	046124-5380	10/533,453			
05/02/05	046124-5381	10/533,441			05/02/05; 017120/0035
04/29/05	046124-5382	10/533,116			
05/17/05	046124-5383	10/535,206			
05/25/05	046124-5384	10/536,280			

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

Assignee : HAMAMATSU PHOTONICS, K.K.

Page : 4

Acting on behalf of the assignee, the undersigned hereby revokes all powers of attorney previously granted in these applications and patents and appoints:

Customer Number 55694  
DRINKER BIDDLE & REATH LLP  
1500 K Street, N.W., Suite 1100  
Washington, DC 20005

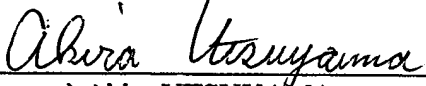
with full power of substitution and revocation, to prosecute the applications and to transact all business in the United States Patent and Trademark Office connected with these patent applications and issued patents.

All correspondence regarding these applications should be sent to JOHN G. SMITH at:

Customer Number 55694  
DRINKER BIDDLE & REATH LLP  
1500 K Street, N.W., Suite 1100  
Washington, DC 20005

Respectfully submitted,

Date: Feb. 28. 2006

  
(Signature) Akira UTSUYAMA  
Title: Group Manager  
Technology & Information  
Management Division  
Patent Group

**HAMAMATSU PHOTONICS K.K.**